		009 11:10AM	PART E	S - FEE(S) TRANS	MITTAL	No. 1058	P. 2				
	JUL 2 1 2009		her with applicable	fee(s), to: <u>Mail</u> M C C P A or <u>Fax</u> (5	ail Stop ISSUE ommissioner for O. Box 1450 lexandria, Virgi 71)-273-2885	r Fateris inia 22313-1450					
V	STRUCTIONS: Fig. form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated the patent of the current correspondence address as indicated the patent of the current correspondence address as indicated the patent of the current correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.										
,			ock 1 for any change of address)	No Fo	ote: A centificate of c(s) Transmittel. Thi	mailing can only be used f	or domestic mailings of the for any other accompanying ent or formal drawing, must				
	Vesuvius 4604 Campbells Pittsburgh, PA 1	/2009		Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.							
07/21/3	2009 HDESTA2 0000		76999			s C. Dunford	(Depositor's name)				
01 FC::		10777			asl. chufort	(Signature)					
02 FC:	1501 1510.00 DA 1504 300.00 DA			L	JULY	21,2009	(Date)				
	APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
	10/576,999 04/25/2006 TITLE OF INVENTION: RIPPLED SURFACE STOPPER ROD SYSTEM			Johan L. Richaud M		1461 US/PCT	7246				
	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUB	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE TOTAL FEE(S) DU	E DATE DUE				
'	nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/01/2009				
1	EXAMINER		ART UNIT	CLASS-SUBCLASS	7						
	KASTLER, SCOTT R		1793	222-594000							
	I. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively. (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.							
	3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been recordation as sel forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  VESUVIUS CRUCIBLE COMPANY  (O3 FOULK ROAD, SUITE 32  WILMINGTON, DELAWARE 19803										
	Please check the appropriate assignee category or categories (will not be printed on the patent):										
	Advance Order -	No small entity discount # of Copies	permitted)	A check is enclosed.  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 220281 (enclose an extra copy of this form).							
		atus (from status indicate as SMALL ENTITY stat		b. Applicant is no lo	onger claiming SMA	LL ENTITY status. See 37 (	CFR 1.27(g)(2).				

JULY 21, 2009 Authorized Signature Thomas J. clinton Registration No. 40561 Typed or printed name

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

Jul. 21. 2009 11:10AM	PART	B - FEE(S) TRA	NSMITTAL	No. 1058	P. 3					
Complete and send this form, top		or <u>Fax</u>	P.O. Box 1450 Alexandria, Virgi (571)-273-2885	піа 22313-1450						
INSTRUCTIONS This form should be use appopriate. All arriver correspondence included in the correspondence includes the corrected below or directed maintenance fee notifications.	d for transmitting the ISS adding the Patent advance otherwise in Block 1, by	IVE FEE and PUBLIC orders and notification (a) specifying a new c	ATION FEE (if requi of maintenance fees wo omespondence address;	red). Blocks 1 through 5 sill be mailed to the current and/or (b) indicating a separate	hould be completed where correspondence address as wate "FEE ADDRESS" for					
CURRENT CORRESPONDENCE ADDRESS (Note: Us			Note: A certificate of a Fee(s) Transmittal. This papers. Each additional	nailing can only be used for s certificate cannot be used for paper, such as an assignme of mailing or transmission.	or domestic mailings of the for any other accompanying					
Vesuvius 4604 Campbells Run Road Pittsburgh, PA 15205			Certificate of Malling or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.							
				s C. Dunford	(Depositor's name)					
				21,200g	(Signature) (Date)					
. APPLICATION NO. FILING DA	YE I	FIRST NAMED INVEN		AITORNEY DOCKET NO.	CONFIRMATION NO.					
10/576,999 04/25/200		Johan L. Richaud		1461 US/PCT	7246					
TITLE OF INVENTION: RIPPLED SURFACE STOPPER ROD SYSTEM										
APPLN. TYPE SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE PREV. PAID ISSUE	FEE TOTAL FEE(S) DUE	DATE DUE					
nonprovisional NO	\$1510	\$300	\$0	\$1810	09/01/2009					
EXAMINER	ART UNIT	CLASS-SUBCLASS								
KASTLER, SCOTT R	1793	222-594000								
I. Change of correspondence address or indica CFR 1.363).  Change of correspondence address (or C Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Addre PTO/SB/47; Rev 03-02 or more recent) attached.	hange of Correspondence	(1) the names of a or agents OR, alter (2) the name of a registered attorney 2 registered patent	For printing on the patent front page, list ) the names of up to 3 registered patent attorneys agents OR, alternatively. ) the name of a single firm (having as a member a gistered attorney or agent) and the names of up to registered patent attorneys or agents. If no name is ted, no name will be printed.							
3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)  PLEASE NOTE: Unless an assigned is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filling an assignment.  (A) NAME OF ASSIGNEE  (B) RESIDENCE: (CITY and STATE OR COUNTRY)  VESUVIUS CRUCIBLE COMPANY  (D3 FOULK ROAD, SUITE 32  WILMINGTON, DELAWARE 19803  Please check the appropriate assignee categories (will not be printed on the patent):										
4a. The following fee(s) are submitted:  4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.										
Publication Fee (No small entity discount Advance Order - # of Copies	at permitted)	Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 220281 (enclose an extra copy of this form).								
5. Change in Entity Status (from status indica										
a Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).  NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.										
Authorized Signature Thymas J. Clinton Date JULY 21, 2009										
Typed or printed name Thomas J. Clinton Registration No. 40561										
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.  Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.										